

# ***EMIGRANT FIRE***

## **Burned Area Emergency Rehabilitation Plan**

**National Park Service  
City of Rocks National Reserve  
Idaho**

**Prepared by:**

**United States Department of the Interior  
Northern States  
Burned Area Emergency Rehabilitation Team**

# **Emigrant Fire**

## **BURNED AREA EMERGENCY REHABILITATION (BAER) PLAN**

**AGENCY/UNIT:** National Park Service  
City of Rocks national Reserve

**LOCATION:** Almo, Idaho

**DATE:** June 9, 2000

**PREPARED BY:** United States Department of the Interior  
Northern States Burned Area Emergency Rehabilitation Team

**Submitted By:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
Erv Gasser, BAER Team Leader, National Park Service

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT  
EXECUTIVE SUMMARY**

**Introduction**

**Management Requirements**

**Fire Background**

**Resource Damages and Threats to Resources and Human Safety**

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

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# **BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

## **SUMMARY of BAER TEAM RECOMMENDATIONS**

### **Snyder Fire 4.7 Miles of Perimeter**

#### **Soil Resources**

- Rehabilitate 1.9 miles of dozerline to trail
- Obliterate .75 miles of dozerline
- Rehabilitate 2.4 miles of roads
- Rehabilitate 1.7 miles of handline

#### **Water Resources**

- No Treatments

#### **Range/Grazing Resources**

- No Treatments

#### **Vegetation Resources**

- Monitor for potential weed invasion of disturbed soils
- Monitor rare plant species

#### **Wildlife Resources (T&E, Candidate Species)**

- No Treatments

#### **Forest Resources**

- No Treatments

#### **Cultural Resources**

- No Treatments

#### **Infrastructure Resources**

- No Treatments

**DEPARTMENT OF THE INTERIOR**

## BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT

### PART A FIRE LOCATION AND BACKGROUND INFORMATION

|                      |  |                      |               |
|----------------------|--|----------------------|---------------|
| Fire Name            | Snyder Fire                                | Date Controlled      | April 3, 1999 |
| Fire Number          | PA-DWP-990004                              | Total Acres Burned   | 374           |
| Agency Unit          | Delaware Water Gap NRA                     | Acres / Jurisdiction |               |
| Region               | Northeast                                  | NPS                  | 333           |
| State(s)             | Pennsylvania                               | BIA                  |               |
| County(s)            | Pike                                       | BLM                  |               |
| Ignition Date/Manner | March 31, 1999/<br>Escaped Management Burn | State                |               |
| Zone                 | Northeast                                  | Private              | 41            |
| Date Contained       | April 2, 1999                              | Other                |               |

### PART B NATURE OF PLAN

I. Type of Plan (check one box below):

|                            |  |
|----------------------------|--|
| <input type="checkbox"/>   | Short-term Rehabilitation (complete Parts A, B, C, and H only) |
| <input type="checkbox"/>   | Long-term Rehabilitation (complete all parts)                  |
| <input type="checkbox"/> / | Both Long and Short Term Rehabilitation (completed all parts)  |

II. Type of Action (check one box below):

|                            |   |
|----------------------------|---|
| <input type="checkbox"/> / | Initial submission  |
| <input type="checkbox"/>   | Updating or revising the initial submission                       |
| <input type="checkbox"/>   | Supplying information for accomplishment to date on work underway |
| <input type="checkbox"/>   | Different phase of project plan                                   |
| <input type="checkbox"/>   | Final report (to comply with the closure of the EFR account)      |

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART C      REHABILITATION ASSESSMENT**

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**I.      Rehabilitation Objectives:**

- Locate and stabilize severely burned slopes which pose a direct threat to human life, property or critically important cultural and natural resources.
- Recommend post-fire rehabilitation prescriptions which prevent irreversible loss of natural and cultural resources.
- As practical and necessary, restore natural conditions to areas disturbed by fire suppression actions.
- Conduct immediate post-burn reconnaissance for fire suppression related impacts to T&E species.
- Provide long-term monitoring recommendations intended to ensure the success of rehabilitation efforts.

**II.      Rehabilitation Recommendations:**

See Summary of Rehabilitation Recommendations.

**III.      BAER Team Members**

| <b>SPECIALTY/PROFESSION</b>    | <b>NAME/AGENCY</b>       | <b>ASSESSMENT INCLUDED<br/>(Yes or No)</b> |
|--------------------------------|--------------------------|--|
| Team Leader                    | Erv Gasser (NPS)         | N/A  |
| Operations                     | N/A                      |  |
| Hydrologist                    | Earl Ruby (USFS retired) | YES  |
| Soil Scientist                 | N/A                      |  |
| Forester                       | N/A                      |  |
| Cultural Resource/Archeologist | N/A                      |  |
| Vegetation Specialist          | Dave Smith (BIA)         | YES  |
| Wildlife Biologist             | N/A                      |  |
| GIS Specialist                 | N/A                      |  |
| Environmental Protection Spec. | Erv Gasser (NPS)         | N/A  |

**IV. Resource Advisors:** (Note: Resource Advisors are individuals who assisted the BAER Team with the preparation of this plan. See Part H of this plan for a full list of agencies and individuals who were consulted or otherwise contributed to the development of this plan.

| NAME           | AFFILIATION, SPECIALTY, or PROFESSION |
|----------------|---------------------------------------|
| Tim Smith      | DEWA, GIS Specialist                  |
| Kathy Commisso | DEWA, GIS Specialist                  |
|                |                                       |
|                |                                       |
|                |                                       |



**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART D      SUMMARY OF APPROVAL AUTHORITIES (By Activities/Cost)**

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| <b>ACTIVITIES REQUIRING SUPERINTENDENT APPROVAL</b>    |  | <b>COST</b>     |
|--|--|-----------------|
| Fire Suppression Damages (charged to Fire Suppression) |  |                 |
| Dozerline Rehabilitating                               |  | \$14,020        |
| Handline Rehabilitation                                |  | \$7,198         |
|  |  |                 |
| <b>SUBTOTAL</b>  |  | <b>\$21,218</b> |

|  |  |                |
|--|--|----------------|
| <b>ACTIVITIES REQUIRING REGIONAL OFFICE REVIEW/APPROVAL:</b> |  |                |
| Long-term EFR Rehabilitation request (charged to EFR)        |  |                |
| Monitor Post-Fire Weed Invasion                              |  | \$3,282        |
| Monitor Rare Plant Species                                   |  | \$3,282        |
|  |  |                |
| <b>SUBTOTAL</b>  |  | <b>\$6,564</b> |

|  |  |            |
|--|--|------------|
| <b>Activities Requiring Superintendent's Approval:</b> |  |            |
| ONPS Base Funding                                      |  |            |
| N/A  |  |            |
|  |  |            |
|  |  |            |
| <b>SUBTOTAL</b>  |  | <b>\$0</b> |

|  |                 |
|--|-----------------|
| <b>TOTAL REHABILITATION COST (short &amp; long-term)</b> | <b>\$27,782</b> |
|--|-----------------|

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART E            SUMMARY OF ACTIVITIES**

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The SUMMARY OF ACTIVITIES table identifies **trackable** rehabilitation costs charged or proposed for funding from fire suppression rehabilitation, emergency fire rehabilitation, agency operations, and other. Only trackable expenditures are displayed in the total cost column. They are coded with the appropriate cost authority. The total cost of the rehabilitation effort to date, excluding the costs absorbed by the fire (fire crew, labor and associated overhead) is displayed as either Fire Suppression Rehabilitation (**F**), Emergency Fire Rehabilitation (**EFR**), Agency Operations (**OP**) or Other (**O**).

**PART E - SUMMARY OF ACTIVITIES - Delaware Water Gap National Recreation Area**

| TREATMENT SPECIFICATION              | UNIT  | UNIT COST | # OF UNITS | COST BY FUND SOURCE |                |    | IMPLEMENTATION METHOD | SPECIFICATION TOTAL |
|--------------------------------------|-------|-----------|------------|---------------------|----------------|----|-----------------------|---------------------|
|                                      |       |           |            | FIRE                | EFR            | OP |                       |                     |
| O-2a Monitor Post-Fire Weed Invasion | Sites | \$1,641   | 2          |                     | \$3,282        |    | P                     | \$3,282             |
| O-2b Monitor Rare Plant Species      | Sites | \$1,641   | 2          |                     | \$3,282        |    | P                     | \$3,282             |
| W-8a Dozerline Rehabilitation        | Miles | \$2,983   | 4.7        | \$14,020            |                |    | C                     | \$14,020            |
| W-8b Handline Rehabilitation         | Job   | \$4,234   | 1.7        | \$7,198             |                |    | C                     | \$7,198             |
|                                      |       |           |            |                     |                |    |                       |                     |
| <b>TOTAL COST</b>                    |       |           |            | <b>\$21,218</b>     | <b>\$6,564</b> |    |                       | <b>\$27,782</b>     |

**COST:** F=Suppression; EFR=Long-term Rehab.; OP=Base Funding. **METHOD:** FC=Crews Assigned to Fire; C=Contract; EFC=Emergency Fire Contract; P=Agency Personnel

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART F - SPECIFICATIONS**

|                             |  |   |  |
|-----------------------------|--|---|--|
| <b>SPECIFICATION TITLE:</b> |  | <b>AGENCY:</b>                              |  |
| <b>PART E LINE ITEM:</b>    |  | <b>FISCAL YEAR(S)<br/>(list each year):</b> |  |

**I. WORK TO BE DONE** (describe or attach exact specifications of work to be done):

|   |  |
|---|--|
| <b>Number and Describe Each Task:</b>         |  |
| <b>A. General Description:</b>                |  |
| <b>B. Location/(Suitable) Sites:</b>          |  |
| <b>C. Design/Construction Specifications:</b> |  |
| 1.  |  |
| 2.  |  |
| 4. Purpose of Treatment Specification:        |  |

**II. LABOR, MATERIALS AND OTHER COST:**

|   |                  |
|---|------------------|
| <b>&lt; PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b><br>Do not include contract personnel costs here (see contractor services below).   | <b>COST/ITEM</b> |
|   |                  |
|   |                  |
| TOTAL PERSONNEL SERVICE COST  |                  |
| <b>&lt; EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting. | <b>COST/ITEM</b> |
|   |                  |
| TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST  |                  |
| <b>&lt; MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>   | <b>COST/ITEM</b> |
|   |                  |
| TOTAL MATERIALS AND SUPPLY COST   |                  |
| <b>&lt; TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>  | <b>COST/ITEM</b> |
|   |                  |
| TOTAL TRAVEL COST   |                  |
| <b>&lt; CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>  | <b>COST/ITEM</b> |
|   |                  |
| TOTAL CONTRACT COST   |                  |

### SPECIFICATION COST SUMMARY

| FISCAL YEAR  | UNIT | UNITS COST | # OF UNITS | COST | FUNDING SOURCE | METHOD |
|--------------|------|------------|------------|------|----------------|--------|
| FY 1         |      |            |            |      |                |        |
| FY 2         |      |            |            |      |                |        |
| FY 3         |      |            |            |      |                |        |
| <b>TOTAL</b> |      |            |            |      |                |        |

#### FUNDING SOURCES:

**F** = Fire Suppression Account  
**EFR** = Emergency Fire Rehabilitation  
**OP** = Agency Operating Fund  
**O** = Other

#### METHODS:

**P** = Agency Personnel Services  
**C** = Contract (long-term)  
**EFC** = Emergency Fire Contract  
**FC** = Crew Labor Assigned to Fire

### SOURCE OF COST ESTIMATE

|  |  |
|--|--|
| 1. Estimate obtained from 2-3 independent contractual sources.                           |  |
| 2. Documented cost figures from similar project work obtained from local agency sources. |  |
| 3. Estimate supported by cost guides from independent sources or other federal agencies  |  |
| 4. Estimates based upon government wage rates and material cost.                         |  |
| 5. No cost estimate required - cost charged to Fire Suppression Account                  |  |

**P** = Personnel Services, **M** = Materials/Supplies, **T** = Travel, **C** = Contract, **F** = Suppression

### III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

|  |
|--|
| List Relevant Documentation and Cross-Reference Location within BAER Report: |
|--|

**DEPARTMENT OF THE INTERIOR  
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**PART G POST-REHABILITATION RECOMMENDATIONS**

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**Long-Term Monitoring:**

- Monitor Post-Fire Weed Invasion
- Monitor Rare Plant Species

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART H CONSULTATIONS**

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**National Park Service**

Kathy Commisso, GIS, Delaware Water Gap NRA  
Richard Evans, Ecologist, Delaware Water Gap NRA  
Larry Hilair, Wildlife Biologist, Delaware Water Gap NRA  
Doug Riley, Fire Management Officer, Delaware Water Gap NRA  
Jeff Shreiner, Botanist, Delaware Water Gap NRA  
Tim Smith, Geographic Information System Specialist, Delaware Water Gap NRA  
Ed Whitaker, Pennsylvania District Ranger, Delaware Water Gap NRA

**Private Landowner**

Harry Buchanan, Cliff Park Golf Course  
Kevin Stroyan, County Coroner, Milford Cemetery

**I. Suppression Related Rehabilitation  
Approval (check one box below):**

- ☐ Approved  
☐ Approved with Revision  
☐ Disapproved

Explanation for revision or disapproval:

---

William G. Laitner, Superintendent

Date

**II. Emergency Fire Rehabilitation (EFR)  
Approval (check one box below):**

- ☐ Approved  
☐ Approved with Revision  
☐ Disapproved

Explanation for revision or non-concurrence:

---

Marie Rust, Regional Director, Northeast Region

Date

**III. NPS Operational Base Funding  
Approval (check one box below):**

- ☐ Approved  
☐ Approved with Revision  
☐ Disapproved

Explanation for revision or disapproval:

---

William G. Laitner, Superintendent

Date

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**APPENDIX I: BAER TEAM RESOURCE ASSESSMENTS**

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- Soil & Watershed Assessment
- Vegetation Assessment

**DEPARTMENT OF THE INTERIOR  
BURNED AREA EMERGENCY REHABILITATION TEAM**

**XXX Fire**

**XXXX RESOURCE ASSESSMENT**

## **I. OBJECTIVES** (optional, unless required)

Identify the objectives of the resource assessment.

## **II. ISSUES**

List the issues identified by the agency or discovered through your assessment which will affect emergency rehabilitation. Issues will be resource specific. All issues identified here must be addressed in the Resource Assessment. List in bullet format, for example:

From Cultural Resource Assessment:

- \* Protection of cultural resources exposed within Division A, where fire removed all vegetation.

From Wildlife Resource Assessment:

- \* Potential impacts to seventeen federally listed species of concern and thirty-four culturally significant species from the fire and/or fire suppression activities.

From Soil and Watershed Resource Assessment:

- \* Assess post fire-related sedimentation in Deer Pond as affected by the severely burned areas above the watershed.

## **III. OBSERVATIONS**

- A. Background - Describes the physical and biological significance of the resources you are charged with assessing, and why the issues related to the protection of these resources have been identified above.
- B. Reconnaissance Methodology and Results - Describe the methodology for addressing the issues identified above.
- C. Findings - Describe the results of your reconnaissance.

## **IV. RECOMMENDATIONS**

Based on the results of the above observations, what recommendations can be made to the management of the park for emergency rehabilitation. All issues identified above must be addressed here, and mitigated through one of the recommendation categories. All treatment specifications prepared for Section F, Specifications must be documented here.

A. Management (specification related) Should specifically reference the specification title and describe the purpose of the specification.

B. Monitoring (specification related) Should specifically reference the monitoring specification title and describe the purpose of the specification.

C. Management (non-specification related) Recommendations that may or may not be related to a specific specification and not able to be funded by Fire Suppression or Emergency Fire Rehabilitation accounts. Recommendations may be funded by agency operating funds or other

funding sources. It is the responsibility of the agency to obtain funding for these recommendations.

## **V. CONSULTATIONS**

List those individuals that you consulted with in preparing your assessment. List name, agency, and phone number.

## **VI. REFERENCES**

List those specific references cited in the assessment.

---

Your Name, Agency, Work Phone Number (for follow-up contact by the agency if they have questions)

### **ASSESSMENT FORMAT:**

WordPerfect

Font: Arial

Size: 10pt

Margins: 1" (all)

Justification: Left

Tab/Indent Set: 1/2"

Use of Tab and Indent is OK.

Special Treatments: Bold, Italics, Underline are allowed.

Tables/Columns: OK

NO: Footers/Headers, End of Text, Page Numbering

Any other formatting needs to be approved by the Computer Specialist.

**NO EXCEPTIONS!**

## **APPENDIX II: ENVIRONMENTAL DOCUMENTATION CONSULTATIONS**

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- National Environmental Policy Act, Compliance Documentation
- Categorical Exclusion Checklist
- National Historic Preservation Act (Section 106) Compliance

**DEPARTMENT OF THE INTERIOR  
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### **APPENDIX III: PLAN MAPS**

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- Fire History Map
- Burn Intensity Map
- Soil Map
- Watershed Values at Risk and Treatments Map
- Cultural Sites Map

## **DEPARTMENT OF THE INTERIOR BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

### **APPENDIX IV: SUPPORTING DOCUMENTATION**

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